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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,689	10/07/2003	Ernst B. Riemann	0002792.0002	3566
7590 11/30/2006			EXAMINER	
Milton S. Gerstein			NGUYEN, TOAN D	
Much Shelist Fi Suite 1800	reed	•	ART UNIT PAPER NUMBER	
191 N. Wacker Drive			2616	-
Chicago, IL 6	0606		DATE MAILED: 11/30/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

1)⊠ Responsive to communication(s) filed on 17 September 2006. 2a)□ This action is FiNAL. 2b)⊠ This action is non-final. 3)□ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)⊠ Claim(s) 23-30 and 32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5)□ Claim(s) is/are allowed. 6)☑ Claim(s) is/are allowed. 6)☑ Claim(s) is/are objected to. 8)□ Claim(s) is/are objected to. 8)□ Claim(s) are subject to restriction and/or election requirement. Application Papers 9)☑ The specification is objected to by the Examiner. 10)☑ The drawing(s) filed on 07 October 2003 is/are: a)☑ accepted or b)□ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)□ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12)□ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)□ All b)□ Some * c)□ None of: 1.□ Certified copies of the priority documents have been received. 2.□ Certified copies of the priority documents have been received in Application No 3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.			Application No.	Applicant(s)				
Toan D. Nguyen Toan D. Nguyen 2616	Office Action Summary		10/679,689	RIEMANN ET AL.				
Preirod for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions to time may be earbied under the provision of 37 FR1 13(6), in an event, however, may a reply be thinly filled. If NO period for reply is specified above, the maximum stitutory mode will apply and will expline SIX (8) MONTHS from the mailing date of this communication. Failur to reply within he set or excended period for righy is specified above, the maximum stitutory mode will apply and will expline SIX (8) MONTHS from the mailing date of this communication, even if smelty filled, may reduce any seamed patient in an application. Failur to reply within he set or excended period for righy is 10, yet alture, case the application is communication, even if smelty filled, may reduce any seamed patient in an application. Status 1) □ Responsive to communication(s) filled on 17 September 2006. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 23-30 and 32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filled on 07 Cetober 2003 is/are: a) □ accepted or b) □ objected to by the Examiner. Application Papers 9) □ The cath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 11) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ Acknowledgment is made of a claim for foreign priority documents			Examiner	Art Unit				
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. ***after SIX (6) MONTHS* from the mailing date of this communication. **IN Depriod for enjet is specified down, the maximus date of this communication. **IN Operation for enjet is specified down, the maximus date of this communication. **IN Operation for enjet is specified down, the maximus date of priod will garge and we series (4) MONTHS from the mailing date of this communication. **IN Operation for enjet is specified down, the maximus date of priod will garge and we series (4) MONTHS from the mailing date of this communication. **IN Operation for enjet is specified once, the maximus date of the downward patent term adjustment. Sea 37 CFR 1.704(b). **Status** 1) ☑ Responsive to communication(s) filled on 17 September 2006. 2a □ ☐ This action is FINAL. 2b) ☑ This action is FINAL. 2b) ☑ This action is FINAL. 2b) ☑ This action is for maximum and the process of the downward patent term adjustment. Sea 37 CFR 1.704(b). **Status** 1) ☑ Responsive to communication for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. **Disposition of Claims** 4) ☑ Claim(s) ② 3-30 and 32 is/are pending in the application. 4) ☑ Claim(s) ② 3-30 and 32 is/are rejected. **This action is application in sobjected to by the Examiner. 10) ☑ The drawing(s) filed on 27 October 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Application Papers 9) ☑ The specification is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received in this National Stage application from the Internation			Toan D. Nguyen	2616				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of town may be available under the proximation of 37 CPR 1-13(d). In no event, however, may a reply be timely filled If NO period for reply is specified above, the maximum statutory period will apply and will explies SIX (8) MONTHS from the mailing date of this communication. Failure for period by the Office barr than the maintenance and the mailing date of the communication, even if smelly filled, may reduce any sentence placified than adjustment. See 3° CPR 1-70(4). Status 1) Responsive to communication(s) filled on 17 September 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quay/e, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 23-30 and 32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 5) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 97 October 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.85(a). Replacement drawing sheet(s) find done for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some 'c) Mone of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified opies of the priority documents have been received in this National Stage applicati		The MAILING DATE of this communication app		correspondence address				
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of bin may be arealized and the provisions of 37 CPR 1.13(a). In or event, however, may a reply bettiney filed after 30 (b) MCRITISF from the mailing date of this communication. Fallius to prevent you will the set or controlled period for reply will by statistic, uses the application to become ABANCHED (38 U.S. 2 133). Any reply received by the Office blate than three monites after the mailing date of this communication, even if timely filed, may reduce any seared plants them adjustment. Set 37 CPR 1.704(b). Status 1) ☑ Responsive to communication(s) filed on 17 September 2006. 2a) ☐ This action is FINAL. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) 23-30 and 32 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) is/are allowed. 6) ☑ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to restriction and/or election requirement. Application Papers 9) ☑ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 07 October 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The ordawing(s) filed on 07 October 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The ordawing Area objected to be prio		· •						
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DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims 23-30 and 32 are withdrawn in view of the newly discovered reference(s) to Corley et al. (US 5,838,683), Chau et al. (US 5,550,906) and Balzano et al. Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 23-28, and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Corley et al. (US 5,838,683).

For claim 23, Corley et al. disclose distributed interactive multimedia system architecture comprising:

a first connection coupled to said telephony network (figure 1, reference 160) and adapted to receive telephony signals therefrom and output telephony signals thereto (col. 20 line 55 to col. 21 line 2);

a second connection coupled to said computer data network (figure 1, reference 137) and adapted to receive data packets therefrom and output data packets thereto (col. 20 lines 25-33):

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a digital signal processor (figure 3, reference 350) coupled to receive signals from said first connection and output signals thereto, wherein said digital signal processor detects events in said signals received from said first connection, wherein said events comprise at least one of caller ID, DTMF, call progress, and other forms of telephony signaling, and further wherein said digital signal processor provides outputs indicative of said detected events (col. 24 lines 38-51);

a synchronous-to-asynchronous converter (figure 3, reference ATM interface) that receives signals from said first connection and provides an asynchronous output therefrom (col. 24 lines 32-37); and

a control processor (figure 3, reference 310) that receives said outputs from said digital signal processor (figure 3, reference 350) indicative of detected events (figure 3, col. 24 lines 52-54), and wherein said control processor outputs control messages over said data network to a call manager program (figure 1, reference 190, col. 21 lines 21-35) installed on said data network, wherein said control messages are indicative of said events detected by said digital signal processor (col. 24 lines 38-51), and further wherein said control processor (figure 3, reference 310) is also coupled to said synchronous-to-asynchronous converter (figure 3, reference ATM interface) for outputting asynchronous media streams over said data network via said second connection (col. 24 lines 32-37).

For claim 24, Corley et al. disclose wherein said digital signal processor generates and receives multiple data streams (col. 24 lines 39-51).

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For claim 25, Corley et al. disclose wherein said network is an ATM network (figure 1, reference 137, col. 20 lines 25-33).

For claim 26, Corley et al. disclose whereto said network is an ethernet network (col. 5, see Table V).

For claim 27, Corley et al. disclose wherein said network is a cells in frames ethernet network (col. 5, see Table V).

For claim 28, Corley et al. disclose wherein said network is an internet protocol over ATM network (col. 6 lines 46-52).

For claim 30, Corley et al. disclose wherein said computer data network also carries computer data traffic (figure 1, references 125 and 135, col. 20 line 14, and col. 20 line 31).

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

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consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Corley et al. (US 5,838,683) in view of Chau et al. (US 5,550,906).

For claim 29, Corley et al. do not expressly disclose wherein said network is an internet protocol over an ethernet network. In an analogous art, Chau et al. disclose wherein said network is an internet protocol over an ethernet network (col. 1 lines 19-27).

One skilled in the art would have recognized the wherein said network is an internet protocol over an ethernet network, and would have applied Chau et al.'s data communications systems in Corley et al.'s interactive multimedia system. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to use Chau et al.'s telecommunications feature server in Corley et al.'s distributed interactive multimedia system architecture with the motivation being to offer users various transport mechanisms, and protocols (col. 1 lines 19-27).

7. Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Corley et al. (US 5,838,683) in view of Balzano et al. (US 5,239,544).

For claim 32, Corley et al. do not expressly disclose wherein said synchronous-to-asynchronous converter uses first-in-first-out buffering. In an analogous art, Balzano et al. disclose wherein said synchronous-to-asynchronous converter uses first-in-first-out buffering (figure 1, reference FIFO PACKET MEMORY M, col. 2 lines 53-60).

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One skilled in the art would have recognized the wherein said synchronous-to-asynchronous converter uses first-in-first-out buffering, and would have applied Balzano et al.'s synchronous/asynchronous converter in Corley et al.'s interactive multimedia system. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to use Balzano et al.'s converter for interconnecting an asynchronous telecommunication network and a synchronous network in Corley et al.'s distributed interactive multimedia system architecture with the motivation being to provide the synchronous-to-asynchronous converter uses first-in-first-out buffering (col. 2 lines 53-60).

Response to Arguments

- 8. Applicant's arguments with respect to claims 23-30, and 32 have been considered but are moot in view of the new ground(s) of rejection.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan D. Nguyen whose telephone number is 571-272-3153. The examiner can normally be reached on M-F (7:00AM-4:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HUY D. VU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600